

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

FACILITY SPECIFIC
MONITORING AND REPORTING PROGRAM NO. 97-10-DWQ-R5039

FOR
AMADOR WATER AGENCY
EAGLE'S NEST COMMUNITY LEACHFIELD SYSTEM
AMADOR COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring septic tanks, effluent, and leachfields. This MRP is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer. Regional Board staff shall approve specific sample station locations prior to implementation of sampling activities.

All samples should be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each grab sample shall be recorded on the sample chain of custody form.

SEPTIC TANK MONITORING

The Discharger shall monitor the septic tanks and report this information in the annual reports. Septic tanks shall be inspected annually as described below.

| <u>Parameter</u> | <u>Minimum Units</u> | <u>Type of Measurement</u> | <u>Minimum Inspection</u> | <u>Reporting Frequency</u> |
|--|--------------------------|--------------------------------|-------------------------------|--------------------------------|
| Current and projected ^{1,2} sludge depth and scum thickness in the first compartment of each septic tank | Feet | Staff Gauge | Annually | Annually |
| Current and projected ^{1,2} distance between bottom of scum layer and bottom of outlet device | Inches | Staff Gauge | Annually | Annually |
| Current and projected ^{1,2} distance between top of sludge layer and bottom of outlet device | Inches | Staff Gauge | Annually | Annually |

¹ Depth and distance projected to occur one year from the date of measurement based on historical patterns and professional judgement.

² Visual inspection for signs of damages, leakage, or deterioration

The Discharger shall retain records of each inspection, by street address, noting the date, measured readings and calculations. The Discharger will also record when cleaning is required, the date of notice to the homeowner, the condition of the tank, and the date that cleaning or repair occurred and by

whom. Copies of the Liquid Waste Hauler manifests shall be retained for review as with any other record concerning documentation of compliance with the Order.

SEPTIC TANK EFFLUENT MONITORING

The Discharger shall monitor the wastewater entering the leachfield system. Effluent monitoring shall include, at a minimum, the following:

| <u>Constituents</u> | <u>Units</u> | <u>Type of Sample</u> | <u>Sampling Frequency</u> | <u>Reporting Frequency</u> |
|--------------------------------|--------------|-----------------------|---------------------------|----------------------------|
| Total flow to leachfield | gpd | Meter | Monthly | Bi-Monthly ³ |
| Total Dissolved Solids | mg/l | Grab | Semi-Annual | Semi-Annual ¹ |
| Nitrates as Nitrogen | mg/l | Grab | Semi-Annual | Semi-Annual ¹ |
| Total Kjeldahl Nitrogen | mg/l | Grab | Semi-Annual | Semi-Annual ¹ |
| Standard Minerals ² | mg/l | Grab | Annually | Annually |

¹ Results shall be submitted with the July and December bi-monthly monitoring reports

² Standard Minerals shall include, at a minimum, the following elements and compounds: Boron, Calcium, Iron, Magnesium, Manganese, Sodium, Potassium, Chloride, Sulfate, Total Alkalinity (including alkalinity series), and Hardness.

³ Every other month.

LEACHFIELD DISPOSAL AREA MONITORING

The Discharger shall conduct a visual inspection of the leachfields on a monthly basis. Results shall be recorded and submitted with the bi-monthly monitoring report. Photocopies of entries into an operator's log are acceptable. Evidence of surfacing wastewater, erosion, field saturation, runoff, or the presence of nuisance conditions shall be noted in the report. If surfacing water is found, then a sample shall be collected and tested for total coliform organisms and total dissolved solids. In addition to the visual inspections, monitoring of the leachfields shall include the following:

| <u>Constituent</u> | <u>Units</u> | <u>Type of Sample</u> | <u>Sampling Frequency</u> | <u>Reporting Frequency</u> |
|--|--------------|-----------------------|---------------------------|----------------------------|
| Application Rate ¹ | gal/acre•day | Calculated | Monthly | Bi-Monthly ³ |
| Leachfield Riser Inspection ² | Inches | Measurement | Each inspection | Bi-monthly ³ |

¹ The application rate for each leachfield

² Amador Water Agency shall measure and record the distance from the surface of the liquid in the observation port to the surface of the ground in the active lateral(s). In addition, AWA shall record when lateral distribution lines are switched.

³ Every other month.

REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, leachfield, etc.), and reported analytical result for each sample are readily

discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported in the next scheduled monitoring report.

A. Bi-Monthly Monitoring Reports

Bi-Monthly reports shall be submitted to the Regional Board for the months of January-February, March-April, May-June, July-August, September-October, and November-December on the **1st day of the second month following the reporting period** (i.e. the January-February Report is due by 1 April). At a minimum, the reports shall include:

1. Results of septic tank effluent and leachfield monitoring;
2. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format;
3. If requested by staff, copies of laboratory analytical report(s); and

B. Annual Report

An Annual Report shall be prepared as the November-December bi-monthly monitoring report. The Annual Report will include all monitoring data required in the bi-monthly schedule. The Annual Report shall be submitted to the Regional Board by **1 February** each year. In addition to the data normally presented, the Annual Report shall include the following:

1. If requested by staff, tabular and graphical summaries of all data collected during the year;
2. Results of the effluent annual monitoring;
3. A description of any activity to control vegetation in the leachfield area;
4. The results of the inspection, and if necessary, the maintenance activities performed on the stormwater diversion ditch;
5. An annual summary of the septic tank inspections for the year, including the number of tanks on which notifications for cleaning were issued, the volumes of waste removed from the septic tanks, and the entity which pumped the tanks.;
6. A statement of when the O&M Manual was last reviewed for adequacy, and a description of any changes made during the year;
7. A summary of any maintenance and repairs activities which were performed on the effluent collection system;
8. A statement regarding whether flow meter was calibrated during the year; and

9. A discussion of any compliance and the corrective actions taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the waste discharge requirements.

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain the penalty of perjury statement by the Discharger, or the Discharger's authorized agent, as described in the Standard Provisions General Reporting Requirements Section B.3.

The Discharger shall implement the above monitoring program as of the date of this Order.

Ordered by:



THOMAS R. PINKOS, Executive Officer

18 November 2003

(Date)